## CMD and Powershell cannot recognize touch Dockerfile so used Git Bash

```
MINGW64:/c/Users/Kennedey/Desktop/UP Files - III - 2nd Sem/197/ME8_Containerization_and_... — X

Kennedey@DESKTOP-RLRSSKF MINGW64 ~/Desktop/UP Files - III - 2nd Sem/197/ME8_Containerization_and_Docker-main/3-building_images
$ touch Dockerfile

Kennedey@DESKTOP-RLRSSKF MINGW64 ~/Desktop/UP Files - III - 2nd Sem/197/ME8_Containerization_and_Docker-main/3-building_images
$ |

Dockerfile - Notepad |

File Edit Format View Help |

FROM ubuntu:16.04

LABEL author="Neth Gonzales"

RUN apt-get update |

RUN apt-get install -y iputils-ping
```

## Building image

## Checking caching behavior

Optimizing the Dockerfile (from being 35MB more to just 4MB more)

```
Dockerfile - Notepad

File Edit Format View Help

FROM ubuntu:16.04

LABEL author="Neth Gonzales"

RUN apt-get update \
    && apt-get install -y iputils-ping \
    && apt-get clean \
    && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
    && truncate -s 0 /var/log/*log
```

```
Command Prompt - powershell

PS C:\Users\Kennedey\Desktop\UP Files - III - 2nd Sem\197\ME8_Containerization_and_Docker-main\3-building_images> docker images

REPOSITORY TAG IMAGE ID CREATED SIZE
nethgonzales/ping latest 90469b222d5e 10 seconds ago 139MB
<none> <none> 159403cad4264 7 minutes ago 170MB
ubuntu 16.04 9ff95a467e45 2 weeks ago 135MB

PS C:\Users\Kennedey\Desktop\UP Files - III - 2nd Sem\197\ME8_Containerization_and_Docker-main\3-building_images>
```

```
Dockerfile - Notepad

File Edit Format View Help

FROM ubuntu:16.04

LABEL author="Neth Gonzales"

ENV PING_TARGET "google.com"

RUN apt-get update \
    && apt-get install -y iputils-ping \
    && apt-get clean \
    && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packages* \
    && truncate -s 0 /var/log/*log

CMD ["sh", "-c", "ping $PING_TARGET"]
```

```
PS C:\Users\Kennedey\Desktop\UP Files - III - 2nd Sem\197\ME8_Containerization_and_Docker-main\3-building_images> docker run -it nethgonzales/ping
PING google.com (172.217.161.174) 56(84) bytes of data.
64 bytes from 172.217.161.174: icmp_seq=1 ttl=37 time=30.6 ms
64 bytes from 172.217.161.174: icmp_seq=2 ttl=37 time=31.1 ms
64 bytes from 172.217.161.174: icmp_seq=3 ttl=37 time=32.9 ms
64 bytes from 172.217.161.174: icmp_seq=4 ttl=37 time=32.8 ms
64 bytes from 172.217.161.174: icmp_seq=5 ttl=37 time=32.7 ms
64 bytes from 172.217.161.174: icmp_seq=6 ttl=37 time=32.7 ms
65 bytes from 172.217.161.174: icmp_seq=6 ttl=37 time=32.7 ms
66 bytes from 172.217.161.174: icmp_seq=6 ttl=37 time=32.7 ms
67 c
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 30.674/31.854/32.900/0.987 ms
PS C:\Users\Kennedey\Desktop\UP Files - III - 2nd Sem\197\ME8_Containerization_and_Docker-main\3-building_images>
```